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(71) Applicant (for all designated States except US): **NOKIA CORPORATION [FI/FI];** Keilalahdentie 4, FIN-02150 Espoo (FI).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **RENFORS, Markku [FI/FI];** Penttiläntäkatu 24, FIN-33820 Tampere (FI). **IHALAINEN, Tero [FI/FI];** Mustanlahdenkatu 8 B 18, FIN-33210 Tampere (FI). **HIDALGO STITZ, Tobias [ES/FI];** Orivedenkatu 16 B 25, FIN-33720 Tampere (FI).

(74) Agent: **COHAUSZ & FLORACK (24);** Bleichstrasse 14, 40211 Düsseldorf (DE).

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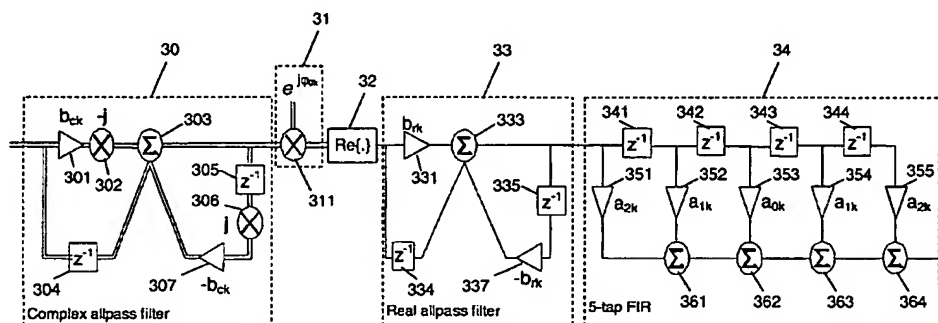
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(54) Title: CHANNEL EQUALIZATION



(57) Abstract: The invention relates to a method for use in an equalization of a channel by means of an equalizer (22, 23), wherein the channel uses a certain frequency band for a transfer of signals. In order to enable a channel equalization which requires a low complexity and which provides at the same time a good performance, it is proposed that the method comprises determining a channel response for at least one frequency point within the frequency band used by the channel. The method further comprises setting at least one adjustable coefficient φ_{0k} , b_{0k} , b_{1k} , a_{0k} , a_{1k} , a_{2k} of the equalizer such that an equalizer response compensates optimally the determined channel response at the at least one selected frequency point. The invention relates equally to a corresponding signal processing device (2), to a corresponding signal processing system and to a corresponding software program product.

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